

Please type a plus sign (+) inside this box →

COPY OF PAPERS
ORIGINALLY FILED

PTO/SB/08A (10-96)
Approved for use through 10/31/99. OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(use as many sheets as necessary)

MAY 28 2002

Sheet

2

of

7

Complete if Known

Application Number	09/848,664
Filing Date	May 3, 2001
First Named Inventor	Shelly E. Sakiyama-Elbert
Group Art Unit	1646
Examiner Name	
Attorney Docket Number	ETH 108 CON

OTHER ART - NON PATENT LITERATURE DOCUMENTS

Examiner's Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
WY		ALBERTS, et al., <i>Molecular Biology of the Cell</i> , Garland Publishing, New York, 1994.	
		BAGHERI-YAMAND, et al., <i>J Cancer</i> 78:111-118 (1998).	
		BESSION, et al., <i>Analytical Biochemistry</i> 237:216-223 (1996).	
		CAMARATA, et al., <i>Neurosurgery</i> 30:313-319 (1992).	
		CARDIN & WEINTRAUB, <i>Atherosclerosis</i> 9:21-32 (1989).	
		COOMBS, et al., <i>J Biol Chem</i> 237:4323-4328 (1998).	
		DE RAUCOURT, et al., <i>J Biomed Mater Res</i> 41:49-57 (1998).	
		DEBLOIS, et al., <i>Biomaterials</i> 15:665-672 (1994).	
		DINBERGS, et al., <i>J Biol Chem</i> 271(47):29822-29829 (1996).	
↓		DOWNS, et al., <i>Journal Cell Physiological</i> 152:422-429 (1992).	

RECEIVED
MAY 31 2002
TECH CENTER 1600/2900

Examiner's Signature MacLean Date Considered 4/29/03

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you require to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

+

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <small>O I P E MAY 28 2002 (use as many sheets as necessary) P A T E N T & T R A D E M A R K O F F I C E</small>		Application Number	09/848,664
		Filing Date	May 3, 2001
		First Named Inventor	Shelly E. Sakiyama-Elbert
		Group Art Unit	1646
		Examiner Name	
Sheet	3	of	7
		Attorney Docket Number	ETH 108 CON

OTHER ART – NON PATENT LITERATURE DOCUMENTS		
Examiner's Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
<i>VEY</i>		EDELMAN, et al., <i>Biomaterials</i> 12:619-626 (1991).
		EDELMAN, et al., <i>Controlled Release Systems Containing Heparin and Growth Factors</i> , MIT: USA
		EDELMAN, et al., <i>Proc Natl Acad Sci USA</i> 90:1513-1517 (1993).
		EDELMAN, <i>Journal Clin Invest</i> 89:465-473 (1992).
		GOTZ, et al., <i>Nature</i> 372:266-269 (1994).
		HARADA, et al., <i>Journal Clin Invest</i> 94:623-630 (1994).
		HATA, et al., <i>J Biol Chem</i> 268:8847-8457 (1993).
		HAUGEN, et al., <i>J Neuroscience</i> 2034-2042 (1992).
		HERBERT, et al., <i>Journal Comp Neurological</i> 365:380-391 (1996).
		HIGASHIYAMA, et al., <i>Science</i> 251(4996):936-9 (1991).

Examiner's Signature	<i>Messina</i>	Date Considered	4/23/03
----------------------	----------------	-----------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you require to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

+

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449A/PTO

Complete If Known

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(use as many sheets as necessary)

MAY 28 2002

PATENT & TRADEMARK

Sheet 4 of 7

Application Number	09/848,664
Filing Date	May 3, 2001
First Named Inventor	Shelly E. Sakiyama-Elbert
Group Art Unit	1646
Examiner Name	
Attorney Docket Number	ETH 108 CON

OTHER ART - NON PATENT LITERATURE DOCUMENTS

Examiner's Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
WY		KALLAPUR, et al., <i>Journal of Neuroscience Research</i> 33:538-548 (1992).	
		KANEDA, et al., <i>Journal Biochem</i> 119:1150-1156 (1996).	
		KIGUCHI, et al., <i>Molecular Carcinogenesis</i> 22:73-83 (1998).	
		KINOSAKI, et al., <i>Biochem Biophys Acta</i> 1384:93-102 (1998).	
		LEE & LANDER, <i>Proc Natl Acad Sci USA</i> 88:2768-2772 (1991).	
		LIN, et al., <i>Journal Neurochem</i> 63:758-768 (1994).	
		LOPEZ, et al., <i>Drug Metabolism and Disposition</i> 24(8):922-924 (1996).	
		LOPEZ, et al., <i>J Pharmacology and Experimental Therapeutics</i> 282(1):385-390 (1997).	
		LYON, et al., <i>J Biol Chem</i> 272:1800-1806 (1997).	
U		MAAROUFI, et al., <i>Biomaterials</i> 18:359-366 (1997).	

Examiner's Signature	<i>Murphy</i>	Date Considered	4/24/03
----------------------	---------------	-----------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you require to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

+

Please type a plus sign (+) inside this box → +

PTO/SB/08A (10-96)
Approved for use through 10/31/99. OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449A/PTO

Complete if Known

Application Number 09/848,664

Filing Date May 3, 2001

First Named Inventor Shelly E. Sakiyama-Elbert

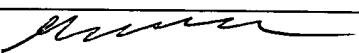
Group Art Unit 1646

Examiner Name

Sheet 5 of 7 Attorney Docket Number ETH 108 CON

OTHER ART – NON PATENT LITERATURE DOCUMENTS

Examiner's Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
VW		MAYSINGER, et al., <i>Neurosci Lett</i> 140:71-74 (1992).	
		MCCAFFREY, et al., <i>J Cellular Physiology</i> 152:430-440 (1992).	
		NETZEL-ARNETT, et al., <i>J Biol Chem</i> 266:6747-6755 (1991).	
		NOLO, et al., <i>European Journal of Neuroscience</i> 8:1658-1665 (1996).	
		POWELL, et al., <i>Brain Res</i> 515:309-311 (1990).	
		POWELL, et al., <i>Brain Research</i> 515:309-311 (1990).	
		PRESTA, et al., <i>Biochem Biophys Res Commun</i> 185:1098-1107 (1992).	
		REDDI, <i>Nature Biotechnology</i> 16:247-252 (1998).	
		SCHENSE & HUBBELL, <i>Bioconjug Chem</i> 10:75-81 (1999).	
↓		SCHROEDER, et al., <i>Affinity Bound Collagen Matrices for the Delivery of Biologically Active Agents</i> , Collagen Corporation: USA (1997).	

Examiner's Signature  Date Considered 4/23/03

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you require to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

+

Please type a plus sign (+) inside this box →

PTO/SB/08A (10-96)
Approved for use through 10/31/99. OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary) MAY 28 2002 PATENT & TRADEMARK Sheet 6 of 7		Application Number	09/848,664
		Filing Date	May 3, 2001
		First Named Inventor	Shelly E. Sakiyama-Elbert
		Group Art Unit	1646
		Examiner Name	
		Attorney Docket Number	ETH 108 CON

OTHER ART – NON PATENT LITERATURE DOCUMENTS		
Examiner's Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
WY		SELKE, et al., <i>Am J Physiol</i> 267:(Heart Circ Physiol. 36):H1303-H1311 (1994).
		SHROEDER-TEFT, et al., <i>J Controlled Release</i> 48:29-33 (1997).
		SILVER, et al., <i>Biomaterials</i> 13:339-344 (1992).
		SMITH, et al., <i>J Biol Chem</i> 270:6440-6449 (1995).
		SPILLMANN & LINDAHL, <i>J Biol Chem</i> 273:15487-15493 (1988).
		STEFFEN, et al., <i>Growth Factors</i> 15:199-213 (1998).
		STUDIER, et al., <i>Expression in E. Coli</i> , American Press, Inc. 61-89 (1990).
		TAKAGI, et al., <i>Biochemistry</i> 14(23):5149-5156 (1975).
		TESSLER, et al., <i>J Biol Chem</i> 269:12456-12461 (1994).
		TYLER-CROSS, et al., <i>Protein Science</i> 3:620-627 (1994).

RECEIVED

MAY 31 2002

TECH CENTER 1600/2900

COPY OF PAPERS
ORIGINALLY FILED

Examiner's Signature	<i>Murphy</i>	Date Considered	4/23/03
----------------------	---------------	-----------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you require to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

+

Please type a plus sign (+) inside this box →

+

PTO/SB/08A (10-96)

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

E (use as many sheets as necessary)

A circular library stamp with the text "OIP E.J." and "MAY 28 2002" on it.

of []

7

Complete if Known

Application Number	09/848,664
Filing Date	May 3, 2001
First Named Inventor	Shelly E. Sakiyama-Elbert
Group Art Unit	1646
Examiner Name	
Attorney Docket Number	ETH 108 CON

OTHER ART – NON PATENT LITERATURE DOCUMENTS

Examiner's Signature		Date Considered	4/23/03
----------------------	---	-----------------	---------

***EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not consider. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you require to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

ATL1 #523420 v1

ETH 108 CON
077046-00008